

“ L e a r n i n g t o l i v e i n a t e c h n i c a l w o r l d ”



SUPPLEMENT

TO

THE NATIONAL TSA CONFERENCE
COMPETITIVE EVENTS GUIDE

2007 & 2008
HIGH SCHOOL TECHNOLOGY ACTIVITIES

2006-2007 New Jersey TSA

EXECUTIVE COMMITTEE

STATE OFFICERS

Michael Krol	President	Howell High School
Justin Turetsky	Vice-President	Lenape High School
Brittany Roses	Secretary	Howell High School
Liza Yermakova	Treasurer	High Technology High School
Glenn Stroz	Sergeant-At-Arms	High Technology High School
Daniel Hwang	Reporter	Lenape High School

STATE ADVISOR

Mr. Henry Harms, Department of Technological Studies, The College of New Jersey

ASSISTANT STATE ADVISOR

Ms. Alison Goeke, Department of Technological Studies, The College of New Jersey

STATE OFFICER ADVISORS

Ms. Sherry Roses	Howell High School
Mr. James Scott/Mr. Robert Murray	Lenape High School
Mr. Robert Dennis	High Technology High School

STATE REGIONAL COORDINATORS

Mr. John McConnell	Wallkill Valley Regional High School	(Northern Region)
Ms. Sherry Roses	Howell High School	(Southern Region)

FORWARD

The diverse competitive events that are listed within this booklet are open to affiliated TSA chapters affiliated through registration with the New Jersey state office of TSA, [completed by February 28, 2007](#). The conference will be held at The College of New Jersey on Thursday, March 29, 2007. The booklet presents the competitive events in alphabetical order as well as the maximum number of participants or teams permitted to compete from each chapter.

To understand how this booklet works, each chapter must refer to *The Official TSA Competitive Events Guide*, which you should have received a copy of upon affiliating. Each New Jersey competitive event lists only the modifications from the National guidelines. Substitute the NJ modification in this booklet for the number or letter on the national guidelines to ensure that your chapter meets all guidelines for the NJ Competitive Events.

It is the hope of the NJ-TSA Executive Board that this guide will enable teachers/advisors, students and competitive event judges to better prepare for this exciting conference.

Any questions may be directed to Mr. Henry Harms at (609) 771-3339 or e-mail harms@tcnj.edu or Ms. Alison Goeke at (609)771-3244 or goeke2@tcnj.edu.

Plan now to attend the

**29th Annual
National TSA Conference
June 24 – 28, 2007
Nashville, TN**

"TSA: A Legacy of Leaders"

General Rules Governing Competitive Events

I. HIGH SCHOOL EVENTS

The officially approved **Level II** New Jersey TSA Competitive Events are:

ON-SITE *	PRE-CONFERENCE *	STATIC *
Agriculture and Biotechnology Design	Career Comparisons	Architectural Model
Animatronics	Computer-Aided Design, 2D/3D <ul style="list-style-type: none"> • CAD 2D, Architecture • CAD 3D, Engineering 	Electronic Research and Experimentation
Construction Systems	Computer-Aided Design, Animation <ul style="list-style-type: none"> • CAD Animation, Architecture • CAD Animation, Engineering 	Manufacturing Prototype
Engineering Design	Cyberspace Pursuit	System Control Technology
Extemporaneous Presentation	Desktop Publishing	
Flight Endurance	Dragster Design	
Medical Technology	F-1 in Schools	
Prepared Presentation	Film	
Radio Controlled Transportation	Imaging Technology	
Structural Engineering	NJ-TSA Future Technology Teacher (NJ ONLY EVENT)	
Technical Research and Report Writing	NJ-TSA Interior Design Contest <u>(NJ ONLY EVENT)</u>	
Technical Sketching and Applications	NJ-TSA Music Technology (NJ ONLY EVENT)	
Technology Bowl	NJ-TSA Pin Design Contest <u>(NJ ONLY EVENT)</u>	
Technology Challenge	Promotional Graphics	
Technology Problem Solving	SciViz	
	Transportation Modeling	
	Video Game Design	

***On-site-** submitted and judged *at* conference

***Pre-Conference-** submitted and judged *prior to* conference

***Static-** submitted and judged *at* conference. *(Includes a display)*

II. PARTICIPATION IN COMPETITIVE EVENTS

- A. TSA members may only register and participate in **ONE on-site event**, and no more than **SIX total events**.
- B. Students must be registered at the state conference in order to enter and become finalists/winners in a competition. **NO ON-SITE OR LATE REGISTRATIONS WILL BE ACCEPTED.**
- C. **No substitutions will be accepted after registration closes, or at the conference.** Substitutions in team events will be accepted only from pre-registered applicants, and only under extenuating circumstances.
- D. **No school or individual names labeled on projects; only ID#'s are to be used.** Upon registering students online, they are automatically assigned an ID#. **This number needs to be on student projects.**
- E. Projects/entries are picked up at the time stated in the conference program.

III. COMPETITIVE EVENTS ATTIRE

ALL STUDENTS ATTENDING THE CONFERENCE **MUST** wear either official TSA or business-like attire. Your cooperation with this policy will assist in providing a positive image for the organization and its members.

A. Official TSA attire:

Blazer:	navy blue with TSA patch
Ties/scarves:	scarlet red
Shirt or Blouse:	white with collar
Slacks or Skirt:	light gray
Shoes:	black dress shoes
Socks:	black or nylon hosiery

B. Business-like attire is considered to minimally include:

collared shirt/blouse
long pants (no shorts or jeans)
dresses/skirts
socks/hosiery
appropriate footwear

C. The official NJTSA Golf Shirt may be substituted for a collared shirt/blouse.

Students NOT wearing official TSA or business-like attire will lose 20 points from total score of each event entered.

A 20 point deduction will also result from the wearing of hats.

IV. PROPERTY DAMAGE OR LOSS

The College of New Jersey and TSA are not responsible for damage to or loss of property brought to the conference.

V. SCHOLARSHIPS AND AWARDS

New Jersey TSA Scholarship

\$500 scholarship supports the mission of TSA by encouraging NJ-TSA members to continue their education.

Criteria

- Be a senior and have participated in an active TSA chapter for a minimum of two consecutive years.
- Served or currently serving as a TSA officer at the local, state and/or national level for a minimum of one academic year.
- Attend and participate in at least two TSA conferences at the state level.

Application must include:

- A signed cover letter containing:
 1. A detailed description of the applicant's involvement in TSA based on the above criteria
 2. A list of technology education courses completed and in progress.
 3. SAT score and/or ACT score
 4. GPA (4.0 scale) and if available high school class rank (indicate how many in class)
- No more than three letters of reference, one of which must come from a technology education teacher.
- A single-spaced, one page typed essay on his or her career plans.

Application must be submitted by

March 9, 2007 to:

Henry Harms, State Advisor
New Jersey Technology Student Association
The College of New Jersey
103 Armstrong Hall, PO Box 7718
Ewing, NJ 08628-0718

TSA Achievement Program

The TSA Achievement Program (bronze, silver, gold awards) is designed to motivate and recognize student members for high effort in a school's technology education program. Bronze, silver, and gold pins will be awarded at the State Conference. Please provide Alison Goeke (goeke2@tcnj.edu) with a list of any award winners by March 9, 2007.

Johnson & Wales University

Scholarships will be awarded to 1st, 2nd and 3rd Place winners in the following events:

- Cyberspace Pursuit
- Computer-Aided Design 2D, 3D
- Promotional Graphics
- Technical Sketching & Applications
- Robotics (Radio Control)

Scholarship amounts for use at Johnson & Wales are as follows:

1 st place winner	\$1000
2 nd place winner	\$750
3 rd place winner	\$500

NJ-TSA CHAPTERS

Middle Schools

Howell Memorial Middle School
Howell Middle School North
Howell Middle School South
Lake Riviera Middle School

High Schools

Biotechnology High School
Bordentown Regional High School
Cherokee High School
Cherry Hill High School West
Clearview Regional High School
Colts Neck High School
Dickinson High School
Fair Lawn High School
High Point Regional High School
High Technology High School
Howell High School
Kittatinny Regional High School
Lenape High School
Livingston High School
Marine Academy of Science & Technology
Marlboro High School
Morris Hills High School
Morristown High School
Newton High School
Northern Valley Regional High School – Demarest
Northern Valley Regional High School – Old Tappan
Nottingham- Hamilton High School North
Parsippany Hills High School
Pennsville Memorial High School
Red Bank Regional High School
Seneca High School
South Brunswick High School
Waldwick High School
Wall High School
Wallkill Valley Regional High School
Washington Township High School
West Morris Central High School
Williamstown High School

Level II – High School Events

Agriculture and Biotechnology Design On-Site Event

OVERVIEW:	No change
PURPOSE:	No change
ELIGIBILITY:	3 teams of 2 individuals per chapter
TIME LIMITS	No finalists. All teams will give a presentation up to 10 minutes in length.
PROCEDURES:	No Change
REGULATIONS:	No Change.
EVALUATION:	No Change

Animatronics On-Site Event

OVERVIEW:	No change
PURPOSE:	No change
ELIGIBILITY:	3 teams of 3 individuals per chapter
TIME LIMITS	No finalists. All teams will give a presentation up to 5 minutes in length
PROCEDURES:	No change
REGULATIONS:	No change
EVALUATION:	No change

Architectural Model

Static Event

Challenge-“Design a single family residential home for a family of four (4), following the principles and guidelines established for the development of affordable housing in America.”

OVERVIEW:	No change
PURPOSE:	No change
ELIGIBILITY:	2 individuals or teams of up to 5 students per chapter
TIME LIMITS	No change
PROCEDURES:	Delete C, D, E
REGULATIONS:	No change
EVALUATION:	Evaluation is based on 80 points earned for the portfolio and the architectural model.

Career Comparisons

Pre-Conference Event

OVERVIEW:	Delete “Finalists also participate in an on site job interview”
PURPOSE:	Delete “and be prepared to participate in a mock interview as a finalist.”
ELIGIBILITY:	2 individuals per chapter
TIME LIMITS	Delete A-B
PROCEDURES:	Delete D – H Job application will be posted on the NJTSA website on February 12. Must be included with resume and cover letter.
REGULATIONS:	No change
EVALUATION:	No change

Computer-Aided Design, 2D, Architecture

Pre-Conference Event

OVERVIEW:	Delete "on site event."
PURPOSE:	No change
ELIGIBILITY:	3 individuals per chapter
TIME LIMITS	Problems will be posted on the NJTSA website on February 12.
PROCEDURES:	Delete A-H
REGULATIONS:	<p>Delete A-G <i>No computer access will be provided at the conference site for drawing modification or plotting/printing.</i></p> <p><i>No school or individual names labeled on projects; only ID#'s are to be used. Upon registering students online, they are automatically assigned an ID#. This number needs to be on student projects.</i></p>
EVALUATION:	<p>No change</p> <ol style="list-style-type: none"> 1. Entries mailed must be sent via Fedex or USPS Express Mail and be received by March 22. Send to the TSA office, attn: Alison Goeke, 103 Armstrong Hall, The College of New Jersey, 2000 Pennington Rd., Ewing, NJ 08628. Please call (609)771-3244 or fax (609)771-3330 the TSA office to indicate description and quantity of items being mailed. 2. Entries dropped off at the TSA office at The College of New Jersey must be received by March 22. Please call (609)771-3244 or fax (609)771-3330 the TSA office to arrange time for delivery. 3. Entries dropped off at the Northern NJ site (Walkkill Valley Regional High School, 10 Grumm Rd., Hamburg, NJ 07419) must be received by March 21. Please call John McConnell at 973-827-4100 to arrange time for delivery. <ul style="list-style-type: none"> • Items received after these dates may not be included in competitions. • Mailed deliveries should include provision for obtaining proof of delivery. • Packages should include a label describing contents.

Computer-Aided Design 3D, Engineering Pre-Conference Event

OVERVIEW:	Delete "on site event."
PURPOSE:	No change
ELIGIBILITY:	3 individuals per chapter
TIME LIMITS	Problems will be posted on the NJTSA website on February 12.
PROCEDURES:	Delete A-H
REGULATIONS:	<p>Delete A-G <i>No computer access will be provided at the conference site for drawing modification or plotting/printing.</i></p> <p><i>No school or individual names labeled on projects; only ID#'s are to be used. Upon registering students online, they are automatically assigned an ID#. This number needs to be on student projects.</i></p>
EVALUATION:	<p>No change</p> <ol style="list-style-type: none"> 4. Entries mailed must be sent via Fedex or USPS Express Mail and be received by March 22. Send to the TSA office, attn: Alison Goeke, 103 Armstrong Hall, The College of New Jersey, 2000 Pennington Rd., Ewing, NJ 08628. Please call (609)771-3244 or fax (609)771-3330 the TSA office to indicate description and quantity of items being mailed. 5. Entries dropped off at the TSA office at The College of New Jersey must be received by March 22. Please call (609)771-3244 or fax (609)771-3330 the TSA office to arrange time for delivery. 6. Entries dropped off at the Northern NJ site (Wallkill Valley Regional High School, 10 Grumm Rd., Hamburg, NJ 07419) must be received by March 21. Please call John McConnell at 973-827-4100 to arrange time for delivery. <ul style="list-style-type: none"> • Items received after these dates may not be included in competitions. • Mailed deliveries should include provision for obtaining proof of delivery. • Packages should include a label describing contents.

Computer-Aided Design Animation, Architectural Pre-Conference Event

OVERVIEW:	Participants are given a design problem from which to develop an animated technical drawing using computer-aided design tools. This problem will be posted on the NJTSA website on February 12.
PURPOSE:	No change
ELIGIBILITY:	3 individuals per chapter
TIME LIMITS	Problems will be posted on the NJTSA website on February 12. Projects must be submitted on a floppy disk or CD Rom.
PROCEDURES:	Delete A-H
REGULATIONS:	<p>Delete A-J</p> <ul style="list-style-type: none"> • Animation must be a minimum of 10 seconds (300 frames) and a maximum of 15 seconds (450 frames). • Animations must be submitted as either a Microsoft Movie (AVI) or Macintosh QuickTime (MOV) file. <p><i>No school or individual names labeled on projects; only ID#'s are to be used. Upon registering students online, they are automatically assigned an ID#. This number needs to be on student projects.</i></p>
EVALUATION:	<p>No change</p> <ol style="list-style-type: none"> 1. Entries mailed must be sent via Fedex or USPS Express Mail and be received by March 22. Send to the TSA office, attn: Alison Goeke, 103 Armstrong Hall, The College of New Jersey, 2000 Pennington Rd., Ewing, NJ 08628. Please call (609)771-3244 or fax (609)771-3330 the TSA office to indicate description and quantity of items being mailed. 2. Entries dropped off at the TSA office at The College of New Jersey must be received by March 22. Please call (609)771-3244 or fax (609)771-3330 the TSA office to arrange time for delivery. 3. Entries dropped off at the Northern NJ site (Wallkill Valley Regional High School, 10 Grumm Rd., Hamburg, NJ 07419) must be received by March 21. Please call John McConnell at 973-827-4100 to arrange time for delivery. <ul style="list-style-type: none"> • Items received after these dates may not be included in competitions. • Mailed deliveries should include provision for obtaining proof of delivery. • Packages should include a label describing contents.

Computer-Aided Design Animation, Engineering Pre-Conference Event

OVERVIEW:	Participants are given a design problem from which to develop an animated technical drawing using computer-aided design tools. This problem will be posted on the NJTSA website on February 12.
PURPOSE:	No change
ELIGIBILITY:	3 individuals per chapter
TIME LIMITS	Problems will be posted on the NJTSA website on February 12. Projects must be submitted on a floppy disk or CD Rom.
PROCEDURES:	Delete A-H
REGULATIONS:	<p>Delete A-J</p> <ul style="list-style-type: none"> • Animation must be a minimum of 10 seconds (300 frames) and a maximum of 15 seconds (450 frames). • Animations must be submitted as either a Microsoft Movie (AVI) or Macintosh QuickTime (MOV) file. <p><i>No school or individual names labeled on projects; only ID#'s are to be used. Upon registering students online, they are automatically assigned an ID#. This number needs to be on student projects.</i></p>
EVALUATION:	<p>No change</p> <ol style="list-style-type: none"> 4. Entries mailed must be sent via Fedex or USPS Express Mail and be received by March 22. Send to the TSA office, attn: Alison Goeke, 103 Armstrong Hall, The College of New Jersey, 2000 Pennington Rd., Ewing, NJ 08628. Please call (609)771-3244 or fax (609)771-3330 the TSA office to indicate description and quantity of items being mailed. 5. Entries dropped off at the TSA office at The College of New Jersey must be received by March 22. Please call (609)771-3244 or fax (609)771-3330 the TSA office to arrange time for delivery. 6. Entries dropped off at the Northern NJ site (Wallkill Valley Regional High School, 10 Grumm Rd., Hamburg, NJ 07419) must be received by March 21. Please call John McConnell at 973-827-4100 to arrange time for delivery. <ul style="list-style-type: none"> • Items received after these dates may not be included in competitions. • Mailed deliveries should include provision for obtaining proof of delivery. • Packages should include a label describing contents.

Construction Systems On-Site Event

OVERVIEW:	Delete “solving a construction problem on site”
PURPOSE:	No change
ELIGIBILITY:	2 teams of 2 individuals per chapter
TIME LIMITS	Delete B
PROCEDURES:	C. Tests are evaluated and team member’s scores are combined. Delete D, E
REGULATIONS:	Delete B, C and D
EVALUATION:	Evaluation is based on team score on the written examination. Time will be used as a tie-breaker. In the event that two teams have identical scores, the team that takes less time will be declared the winner.

Cyberspace Pursuit Pre-Conference Event

OVERVIEW:	A copy of the design brief can be found at: http://www.iris.org/tsa/cyberspace.html Delete “Finalists will take an onsite oral exam.”
PURPOSE:	No change
ELIGIBILITY:	1 team of 3-5 per chapter
TIME LIMITS	Change date from May 15 to March 22. Send URL to harms@tcnj.edu
PROCEDURES:	Delete D-G
REGULATIONS:	Delete G
EVALUATION:	Delete B URL’s MUST be emailed to Henry Harms, State Advisor (harms@tcnj.edu) by 12 midnight EST March 22, 2007. All emails will be time stamped and serve as proof of submitting project on time.

Desktop Publishing Pre-Conference Event

OVERVIEW:	Delete "All participants work to solve an onsite problem."
PURPOSE:	No change
ELIGIBILITY:	3 individuals per chapter
TIME LIMITS	Delete B-C Theme will be posted on the NJTSA website on February 12.
PROCEDURES:	Delete C, D, E, F, G, H
REGULATIONS:	Delete A, D, E, F C. Clip art may be used for the notebook items. <i>No school or individual names labeled on projects; only ID#'s are to be used. Upon registering students online, they are automatically assigned an ID#. This number needs to be on student projects.</i>
EVALUATION:	Evaluation is based on points earned for portfolio development and final printed product. <ol style="list-style-type: none"> 1. Entries mailed must be sent via Fedex or USPS Express Mail and be received by March 22. Send to the TSA office, attn: Alison Goeke, 103 Armstrong Hall, The College of New Jersey, 2000 Pennington Rd., Ewing, NJ 08628. Please call (609)771-3244 or fax (609)771-3330 the TSA office to indicate description and quantity of items being mailed. 2. Entries dropped off at the TSA office at The College of New Jersey must be received by March 22. Please call (609)771-3244 or fax (609)771-3330 the TSA office to arrange time for delivery. 3. Entries dropped off at the Northern NJ site (Wallkill Valley Regional High School, 10 Grumm Rd., Hamburg, NJ 07419) must be received by March 21. Please call John McConnell at 973-827-4100 to arrange time for delivery. <ul style="list-style-type: none"> • Items received after these dates may not be included in competitions. • Mailed deliveries should include provision for obtaining proof of delivery. • Packages should include a label describing contents.

Dragster Design

Pre-Conference Event

- Dragster and drawing will be submitted Pre-Conference
- Cars that do not meet specifications will NOT be raced

OVERVIEW:	No change
PURPOSE:	No change
ELIGIBILITY:	2 individuals per chapter
TIME LIMITS	Delete B <i>Dragster and drawing will be submitted Pre-Conference Cars that do not meet specifications will NOT be raced</i>
PROCEDURES:	Delete A, F
REGULATIONS:	No change <i>No school or individual names labeled on projects; only ID#'s are to be used. Upon registering students online, they are automatically assigned an ID#. This number needs to be on student projects.</i>
EVALUATION:	Wind tunnel results eliminated from scoring. <i>The top 16 dragsters meeting specifications will be raced in the double elimination bracket at the conference. <u>Cars not meeting specs WILL BE DISQUALIFIED from competition.</u> Evaluation is based on 90 points.</i> <ol style="list-style-type: none"> 1. Entries mailed must be sent via Fedex or USPS Express Mail and be received by March 22. Send to the TSA office, attn: Alison Goeke, 103 Armstrong Hall, The College of New Jersey, 2000 Pennington Rd., Ewing, NJ 08628. Please call (609)771-3244 or fax (609)771-3330 the TSA office to indicate description and quantity of items being mailed. 2. Entries dropped off at the TSA office at The College of New Jersey must be received by March 22. Please call (609)771-3244 or fax (609)771-3330 the TSA office to arrange time for delivery. 3. Entries dropped off at the Northern NJ site (Wallkill Valley Regional High School, 10 Grumm Rd., Hamburg, NJ 07419) must be received by March 21. Please call John McConnell at 973-827-4100 to arrange time for delivery. <ul style="list-style-type: none"> • Items received after these dates may not be included in competitions. • Mailed deliveries should include provision for obtaining proof of delivery. • Packages should include a label describing contents.

Electronic Research and Experimentation

Static Event

OVERVIEW:	No change
PURPOSE:	No change
ELIGIBILITY:	2 teams of 2-5 individuals per chapter
TIME LIMITS	Delete B
PROCEDURES:	Delete D, E
REGULATIONS:	No change
EVALUATION:	No interview. Evaluation is based on 80 points.

Engineering Design

On-Site Event

OVERVIEW:	No Change
PURPOSE:	No change
ELIGIBILITY:	2 teams of 3-5 per chapter
TIME LIMITS	No finalists. All teams will give a presentation of up to 10 minutes in length.
PROCEDURES:	Delete C-D
REGULATIONS:	No change
EVALUATION:	No change

Extemporaneous Presentation On-Site Event

OVERVIEW:	No change
PURPOSE:	No change
ELIGIBILITY:	2 individuals per chapter
TIME LIMITS	No change
PROCEDURES:	Delete C.2, C.3, H, I, J
REGULATIONS:	E. No observers will be permitted
EVALUATION:	No change

F-1 in Schools Pre-Conference Event

OVERVIEW:	Go to: http://www.tsaweb.org/content.asp?parentid=504&contentid=509 Additional details will be posted on the NJTSA website on February 12.
PURPOSE:	
ELIGIBILITY:	2 teams of 3 - 6 per chapter
TIME LIMITS	
PROCEDURES:	
REGULATIONS:	
EVALUATION:	

Film
Pre-Conference Event

OVERVIEW:	No change
PURPOSE:	No change
ELIGIBILITY:	2 individuals or teams of up to 5 individuals per chapter
TIME LIMITS	No change. Film must be submitted on a DVD that works in a standard DVD player.
PROCEDURES:	C. Winners are announced at awards ceremony
REGULATIONS:	Delete B <i>No school or individual names labeled on projects; only ID#'s are to be used. Upon registering students online, they are automatically assigned an ID#. This number needs to be on student projects.</i>
EVALUATION:	No change <ol style="list-style-type: none"> 1. Entries mailed must be sent via Fedex or USPS Express Mail and be received by March 22. Send to the TSA office, attn: Alison Goeke, 103 Armstrong Hall, The College of New Jersey, 2000 Pennington Rd., Ewing, NJ 08628. Please call (609)771-3244 or fax (609)771-3330 the TSA office to indicate description and quantity of items being mailed. 2. Entries dropped off at the TSA office at The College of New Jersey must be received by March 22. Please call (609)771-3244 or fax (609)771-3330 the TSA office to arrange time for delivery. 3. Entries dropped off at the Northern NJ site (Wallkill Valley Regional High School, 10 Grumm Rd., Hamburg, NJ 07419) must be received by March 21. Please call John McConnell at 973-827-4100 to arrange time for delivery. <ul style="list-style-type: none"> • Items received after these dates may not be included in competitions. • Mailed deliveries should include provision for obtaining proof of delivery. • Packages should include a label describing contents.

Flight Endurance
(Plane built off-site)
On-Site Event

OVERVIEW:	No change
PURPOSE:	No change
ELIGIBILITY:	2 individuals per chapter
TIME LIMITS	Participants are provided a minimum of 20 minutes for trim flights at the event's site.
PROCEDURES:	No change
REGULATIONS:	No change
EVALUATION:	No change

Imaging Technology
Pre-Conference Event
 Topic: “Through the Eyes of a Child”

OVERVIEW:	No finalists will be selected. Winners will be announced at awards ceremony.
PURPOSE:	No finalists will be selected.
ELIGIBILITY:	2 individuals per chapter
TIME LIMITS	No change
PROCEDURES:	B. Entries are reviewed by evaluators and winners are announced at the awards program Delete C - K
REGULATIONS:	No change <i>No school or individual names labeled on projects; only ID#'s are to be used. Upon registering students online, they are automatically assigned an ID#. This number needs to be on student projects.</i>
EVALUATION:	Evaluation is based on points used for the static display. There is no On-Site challenge. <ol style="list-style-type: none"> 1. Entries mailed must be sent via Fedex or USPS Express Mail and be received by March 22. Send to the TSA office, attn: Alison Goeke, 103 Armstrong Hall, The College of New Jersey, 2000 Pennington Rd., Ewing, NJ 08628. Please call (609)771-3244 or fax (609)771-3330 the TSA office to indicate description and quantity of items being mailed. 2. Entries dropped off at the TSA office at The College of New Jersey must be received by March 22. Please call (609)771-3244 or fax (609)771-3330 the TSA office to arrange time for delivery. 3. Entries dropped off at the Northern NJ site (Wallkill Valley Regional High School, 10 Grumm Rd., Hamburg, NJ 07419) must be received by March 21. Please call John McConnell at 973-827-4100 to arrange time for delivery. <ul style="list-style-type: none"> • Items received after these dates may not be included in competitions. • Mailed deliveries should include provision for obtaining proof of delivery. • Packages should include a label describing contents.

Manufacturing Prototype

Static Event

Theme: "A device that either plays music or could be used to make music"

OVERVIEW:	No change
PURPOSE:	No change
ELIGIBILITY:	2 teams of 2 per chapter
TIME LIMITS	No change
PROCEDURES:	No change
REGULATIONS:	No change
EVALUATION:	No change

Medical Technology

On-Site Event

OVERVIEW:	No change
PURPOSE:	No change
ELIGIBILITY:	3 teams of 2 individuals per chapter
TIME LIMITS	No finalists. All teams will give a presentation up to 10 minutes in length.
PROCEDURES:	No Change
REGULATIONS:	No Change
EVALUATION:	No Change

**NJ-TSA Future Technology Teacher
(NJ Only – Not offered at National TSA)
Pre-Conference Event**

OVERVIEW:	Participants research and select three accredited colleges or universities that offer Technology Education teacher preparation as a major. They will also write no more than one page explaining why they want to become a technology education teacher and what would make them successful in the field. In addition, each participant will develop a one class period activity and present it.
CHALLENGE	The need for technological literacy will not disappear and the shortage of qualified technology education teachers continues to grow. A recent survey was conducted and New Jersey will need an additional 500 technology education teachers in the next five years and 900 new teachers in ten years. This event will allow you to test your potential as a future technology educator.
ELIGIBILITY:	Entries are limited to three (3) individuals per chapter.
TIME LIMITS	<p>A. Entries must be started and completed during the current school year.</p> <p>B. The notebook containing the “College Search and Selection” page, the college essay, lesson plans, and relevant handouts, materials and resources must be completed and sent in as a mail in entry prior to the competition and due on March 22, 2007.</p> <p>C. The presentation must be no more than ten (10) minutes in length.</p> <p>D. A maximum of four (4) minutes will be allowed for set-up.</p> <p>E. At the conclusion of the presentation, the participant must remove all materials within three (3) minutes.</p> <p>F. Five (5) points will be deducted for each 30 –second interval over the ten (10) minutes allotted for the presentation and time over set up and clean-up.</p>
PROCEDURES:	<p>A. In preparation for this event, participants thoroughly research and select three (3) accredited colleges or universities that offer technology education teacher preparation programs. Take into consideration geographic location and environment, academic requirements, cost, campus life, the setting, size and housing of each school. Seek advice from parents, family members, guidance counselors and your technology education teacher/s. You can use this website as your starting point: http://www.iteaconnect.org/Resources/institutionalmembers.htm. Complete the “College Search and Selection” page of this event. This should be included as section one (1) of the notebook. You should also</p>

	<p>have the signature of one teacher, parent, family member or guidance counselor who feels you have the potential of becoming an excellent technology education teacher.</p> <p>B. Participants should complete the “College Essay” of no more than 250 words explaining why they are a good candidate to become a technology education teacher. Be sure to include personality traits, goals and interests. This should be included as section two (2) of the notebook. The essay should be typed and free from spelling and grammatical errors.</p> <p>C. A lesson plan that includes the rationale, goals and objectives, description of activity and assessment should be section three (3) of the notebook.</p> <p>D. Copies of all handouts, resources and a list of materials used in the presentation of the activity should be included in section four (4) of the notebook. The activity should be clearly labeled as to the grade level for which the activity is appropriate.</p> <p>E. Participants report to the event area at the time and place stated in the conference program. Each participant will sign up for a time to present their activity.</p> <p>F. The event coordinator introduces each participant by number and in order of scheduled times. The schedule allows for four (4) minutes to set up and three (3) minutes to pack up materials and audiovisual equipment (if used).</p> <p>G. Participants are encouraged to interact with the judges who serve as students in the classroom.</p> <p>H. Notebooks should be picked up at the time and location listed in the conference program.</p>
<p>REGULATIONS:</p>	<p>A. Each notebook, essay and activity must be the result of the participant’s own efforts.</p> <p>B. Activities should be designed to last only one (1) forty-five minute class period. The introduction, skill demonstration and directions should guide students to be successful in the experience.</p> <p>C. Topics for the activity should correlate to the <i>Standards for Technological Literacy</i>. Visit the International Technology Education Association (ITEA) website at http://www.iteawww.org for more information. Science and math skills should be stressed. Activities that explore knowledge, creativity and skills in the following areas are suggested:</p> <ol style="list-style-type: none"> a. Medical technologies b. Agricultural and biotechnologies c. Power and energy technologies d. Information and communication technologies e. Transportation technologies f. Manufacturing technologies g. Construction technologies <p>D. Hazardous materials, chemicals, lighted flames, combustibles and other substances are not allowed at the conference and cannot be part of your presentation to explain the activity.</p> <p>E. Three copies of all handouts, materials and resources should be</p>

	<p>prepared and distributed to the judges who will act as students in the classroom.</p> <p>F. Audiovisual materials may be included such as charts, graphs, posters, displays, flip charts, transparencies and models. All audiovisual materials must be provided by the participant except a flip chart on an easel. A whiteboard and dry erase marker will be provided. One (1) 25' extension cord and one (1) power strip with six (6) outlets will be available for use. Any additional cords or strips needed are the responsibility of the participant.</p> <p>G. Participants are not allowed to watch or hear other participants' presentations.</p> <p>H. Five (5) points will be deducted for each 30 –second interval over the ten (10) minutes allotted for the activity presentation. The same penalty is used for set-up and takedown. Time commences when the presentation begins.</p> <p><i>No school or individual names labeled on projects; only ID#'s are to be used. Upon registering students online, they are automatically assigned an ID#. This number needs to be on student projects.</i></p>
<p>EVALUATION:</p>	<p>Evaluation is based upon the notebook, developed activity and presentation of that activity. The appropriateness of the activity for the grade level, comfort of participant during presentation, interaction with students (judges) and excitement and motivation of participant will be used in the final evaluation as well.</p> <p>(There is a copy of the Rating Form on the next page.)</p> <ol style="list-style-type: none"> 1. Entries mailed must be sent via Fedex or USPS Express Mail and be received by March 22. Send to the TSA office, attn: Alison Goeke, 103 Armstrong Hall, The College of New Jersey, 2000 Pennington Rd., Ewing, NJ 08628. Please call (609)771-3244 or fax (609)771-3330 the TSA office to indicate description and quantity of items being mailed. 2. Entries dropped off at the TSA office at The College of New Jersey must be received by March 22. Please call (609)771-3244 or fax (609)771-3330 the TSA office to arrange time for delivery. 3. Entries dropped off at the Northern NJ site (Walkkill Valley Regional High School, 10 Grumm Rd., Hamburg, NJ 07419) must be received by March 21. Please call John McConnell at 973-827-4100 to arrange time for delivery. <ul style="list-style-type: none"> • Items received after these dates may not be included in competitions. • Mailed deliveries should include provision for obtaining proof of delivery. • Packages should include a label describing contents.

Participant ID# _____

Section One (1)

Research and investigate 3 colleges that offer technology education teacher preparatory programs.

FUTURE TECHNOLOGY TEACHER

College Essay

Participant ID# _____

Section Two (2)

In 250 words or less, explain why you are a good candidate to become a technology education teacher. Be sure to include personality traits, special skills, your goals and interests.

NJ-TSA Interior Design Contest
(NJ Only – Not offered at National TSA)
Pre-Conference Event

OVERVIEW:	<p>Participants develop a set of presentation boards to include plans, illustrations and finishes for a specified space.</p> <p>NOTE: This event is a “NJ only” state sponsored contest. This contest is <i>not</i> held at the national level.</p>
CHALLENGE	Demonstrate an understanding of interior design.
ELIGIBILITY:	2 teams of 2 per chapter
TIME LIMITS	<p>Entries must be completed during the current school year.</p> <p>Problem will be posted on the NJTSA website on February 12.</p>
PROCEDURES:	<ul style="list-style-type: none"> • Participants must submit their entries by March 22. • Entries are reviewed by evaluators. • Entries are picked up only at the time and place stated in the program.
REGULATIONS:	<p>A. Each entry must be the result of the participant’s own efforts during the current school year.</p> <p>B. The interior design challenge is identified for the current year’s conference.</p> <p>C. The entry must include two (2) 20” x 30” Foamcore presentation boards. Boards may be together or separate but must be free-standing.</p> <p>D. All lettering must be in the form of computer printout, press-on or stick-on. Presentation boards with hand lettering will be disqualified.</p> <p>E. Floor plan and elevations must be mounted on the presentation boards, as well as illustrative perspectives along with color materials samples (color swatches). Photograph images of furniture are permitted.</p> <p>F. The decor must be conceptualized with a minimum of five (5) color variations, and/or textures as shown through mounted materials samples.</p> <p>G. The floor plan must be drawn in 1/4” = 1’-0”, drawn in ink or computer printout, minimum of five (5) color variations and/or textures.</p> <p><i>No school or individual names labeled on projects; only ID#’s are to be used. Upon registering students online, they are automatically assigned an ID#. This number needs to be on student projects.</i></p>
EVALUATION:	<p>Evaluation is based on the criteria outlined in the official rating form. (There is a copy on the next page.)</p> <p>4. Entries mailed must be sent via Fedex or USPS Express Mail and be received by March 22. Send to the TSA office, attn: Alison Goeke, 103 Armstrong Hall, The College of New Jersey, 2000</p>

	<p>Pennington Rd., Ewing, NJ 08628. Please call (609)771-3244 or fax (609)771-3330 the TSA office to indicate description and quantity of items being mailed.</p> <ol style="list-style-type: none">5. Entries dropped off at the TSA office at The College of New Jersey must be received by March 22. Please call (609)771-3244 or fax (609)771-3330 the TSA office to arrange time for delivery.6. Entries dropped off at the Northern NJ site (Wallkill Valley Regional High School, 10 Grumm Rd., Hamburg, NJ 07419) must be received by March 21. Please call John McConnell at 973-827-4100 to arrange time for delivery.<ul style="list-style-type: none">• Items received after these dates may not be included in competitions.• Mailed deliveries should include provision for obtaining proof of delivery.• Packages should include a label describing contents.
--	---

TSA INTERIOR DESIGN

2007 OFFICIAL RATING FORM

HIGH SCHOOL

ENTRANTS ID#							
EVALUATION CRITERIA							
Design (50 pts.) Knowledge of space (use and needs) 10 pts. Knowledge of finish materials 10 pts. Use of color/texture 10 pts Flow between living/work areas. 10 pts Creativity of design.....10 pts							
Presentation Boards (50 pts.) Creativity 10 pts Neatness 10 pts Accuracy 10 pts Technique 10 pts Organization..... 10 pts							
SUBTOTAL 100 pts							
Rules violation (if any, must be initialed by event coordinator and manager. minus 20 pts							
Total 100 pts							
Evaluator's comments/notes:							
I certify these results to be true and accurate to the best of my knowledge.							
Evaluator's Name _____ Evaluator's signature _____							

NJ-TSA Music Technology
(NJ Only – Not offered at National TSA)
Pre-Conference Event

OVERVIEW:	Participants develop an original single track music CD for the purpose of entertaining high school students. Participants are also responsible for creating a press kit and the CD's packaging (front cover, back cover, etc.).
CHALLENGE	Use computer and recording tools to entertain and convey a theme through a musical medium. Furthermore, participants will demonstrate their abilities to use graphic design programs.
ELIGIBILITY:	Entries are limited to two (2) teams of three (3) to five (5) members per TSA chapter. Teamwork is strongly encouraged, although teams consisting of one (1) or two (2) members will be permitted.
TIME LIMITS	<ul style="list-style-type: none"> A. Entries must be started and completed during the current school year and must be sent in as a mail in entry prior to the competition and due on March 22, 2007. B. The CD must contain only one (1) track. C. The total length of the track is not to exceed five (5) minutes. D. The track time length is calculated from the length given by the CD playing device.
PROCEDURES:	<ul style="list-style-type: none"> A. Entries are reviewed by evaluators. Neither students nor advisors are present at this time. B. All entries must be turned in on CD that can be played in a standard CD player. Entries should NOT be in an MP3 CD format as this format can not be played in all CD players. C. The CD should convey a theme that is described in both the CD's packaging and binder.
REGULATIONS:	<ul style="list-style-type: none"> A. The final entry can be from any genre of music. Participants are not judged on their preference of music but the quality of their submission. B. All songs must consist of appropriate material. Curse words, racial slang, etc. shall result in disqualification. C. The CD packaging includes the front cover, back cover, and label on the CD itself. D. The CD holder and the packaging must be standard size. E. All entries must be the original work of the participant or team. Where applicable, all ideas, sound effects, and images from other

	<p>sources must be cited. If copyrighted material is used, proper written permission must be included. Failure to follow this procedure results in disqualification.</p> <p>F. A press kit is submitted which should be presented and organized in a professional manner. The press kit consists of the following sections:</p> <ol style="list-style-type: none"> 1. Cover page with title of the CD, one (1) page 2. Lyrics and an explanation of them (if necessary), pages as needed 3. Explanation of the CD's packaging and how it relates to the theme, one (1) page. 4. List of references that includes sources for materials, copyrighted and otherwise, pages as needed 5. Permission letters for copyrighted material, pages as needed 6. List of software and hardware used in the development of the CD, one (1) page 7. List of the team members and their contributions, one (1) page <p><i>No school or individual names labeled on projects; only ID#'s are to be used. Upon registering students online, they are automatically assigned an ID#. This number needs to be on student projects.</i></p>
<p>EVALUATION:</p>	<p>Evaluation is based on the criteria outlined in the official rating form. (There is a copy on the next page.)</p> <ol style="list-style-type: none"> 1. Entries mailed must be sent via Fedex or USPS Express Mail and be received by March 22. Send to the TSA office, attn: Alison Goeke, 103 Armstrong Hall, The College of New Jersey, 2000 Pennington Rd., Ewing, NJ 08628. Please call (609)771-3244 or fax (609)771-3330 the TSA office to indicate description and quantity of items being mailed. 2. Entries dropped off at the TSA office at The College of New Jersey must be received by March 22. Please call (609)771-3244 or fax (609)771-3330 the TSA office to arrange time for delivery. 3. Entries dropped off at the Northern NJ site (Wallkill Valley Regional High School, 10 Grumm Rd., Hamburg, NJ 07419) must be received by March 21. Please call John McConnell at 973-827-4100 to arrange time for delivery. <ul style="list-style-type: none"> • Items received after these dates may not be included in competitions. • Mailed deliveries should include provision for obtaining proof of delivery. • Packages should include a label describing contents.

Music Technology (Proposed) Rating Form

TEAM / CHAPTER ID#										
Press Kit (25 pts.)										
Appearance (visually appealing and well organized) 10 pts.										
Quality of writing5 pts.										
Organization5 pts.										
Completeness (all sections present or explained)5 pts.										
CD Packaging (25 pts.)										
Impact (Effective communication of the CD's theme).....10 pts.										
Graphic (Is graphic appropriate to the theme of the CD?).....10 pts.										
Technical (Sharp clean edges of graphics and fonts clear of smudges, smears, pencil or other extraneous marks).....5 pts.										
Music Impressions (50 pts.)										
Creativity and originality20 pts.										
Technical attributes.....20 pts.										
Impact/Relation to theme.....10 pts.										
Rules violation (minus 20 points)										
TOTAL 100 pts.										
RANK ORDER										

NJ-TSA Pin Design Contest
(NJ Only – Not offered at National TSA)
Pre-Conference Event

OVERVIEW:	<p>TSA participants design the official NJ State TSA pin for use at the National Conference in Nashville, TN. The design that is selected will be mass-produced and available for trading by our state team at the National TSA Conference.</p> <p>NOTE: This event is a “NJ only” state sponsored contest. This contest is <i>not</i> held at the national level.</p>
CHALLENGE	<p>Pin Design provides an opportunity for TSA members to demonstrate the design process in a portfolio while designing for a need.</p>
ELIGIBILITY:	<p>2 individuals per chapter</p>
TIME LIMITS	<ul style="list-style-type: none"> • Entries must be completed during the current school year. • The pin design must be submitted to TCNJ by March 22 so that the winner may be selected and production may begin to have pins ready for distribution to the state team going to the national competition.
PROCEDURES:	<ul style="list-style-type: none"> • Participants must submit their entries by March 22. • Entries are reviewed by evaluators. • The finalist entry will be produced for trading by our state team at the National TSA Conference. • Entries are picked up only at the time and place stated in the program.
REGULATIONS:	<p>Entries must:</p> <ul style="list-style-type: none"> • Be submitted as a digital JPG or Gif image on a CD. • Be produced by hand or by means of a computer. • Reflect New Jersey in some manner. • Have the TSA letters on the pin. • Cannot pertain to any copyrighted material. • Include the year when the national conference is held. • Include a color print at actual size • Have an enlarged version printed on an 8 1/2” x 11” page mounted on foam core for public viewing. • Actual dimensions must be noted on the matted sheet. • Must fit into a 1.5” x 2” (size dimensions) rectangle. • Be accompanied by a 1” binder containing the following: <ul style="list-style-type: none"> ○ Title page ○ Table of contents ○ Brainstormed ideas/Thumbnail sketches ○ Selection/Rejection report on the ideas generated and justification for the final image chosen ○ Final color image at actual size

	<p>No school or individual names labeled on projects; only ID#'s are to be used. Upon registering students online, they are automatically assigned an ID#. This number needs to be on student projects.</p>
<p>EVALUATION:</p>	<p>Evaluation is based on the criteria outlined in the official rating form. (There is a copy on the next page.)</p> <ol style="list-style-type: none"> 1. Entries mailed must be sent via Fedex or USPS Express Mail and be received by March 22. Send to the TSA office, attn: Alison Goeke, 103 Armstrong Hall, The College of New Jersey, 2000 Pennington Rd., Ewing, NJ 08628. Please call (609)771-3244 or fax (609)771-3330 the TSA office to indicate description and quantity of items being mailed. 2. Entries dropped off at the TSA office at The College of New Jersey must be received by March 22. Please call (609)771-3244 or fax (609)771-3330 the TSA office to arrange time for delivery. 3. Entries dropped off at the Northern NJ site (Wallkill Valley Regional High School, 10 Grumm Rd., Hamburg, NJ 07419) must be received by March 21. Please call John McConnell at 973-827-4100 to arrange time for delivery. <ul style="list-style-type: none"> • Items received after these dates may not be included in competitions. • Mailed deliveries should include provision for obtaining proof of delivery. • Packages should include a label describing contents.

NJTSA Pin Design

2006 OFFICIAL RATING FORM

HIGH SCHOOL

ENTRANTS ID#							
EVALUATION CRITERIA							
Design Elements (20 pts.) <ul style="list-style-type: none"> ➤ Color (5 pts.) ➤ Imagery; line, shapes, forms (5 pts.) ➤ Originality (10 pts.) 							
Design Principles (25 pts.) <ul style="list-style-type: none"> ➤ Balance (5 pts.) ➤ Contrast (5 pts.) ➤ Rhythm (5 pts.) ➤ Unity (5 pts.) ➤ Proportion (5 pts.) 							
Theme Criteria (15 pts.) <ul style="list-style-type: none"> ➤ National Conference (5 pts.) ➤ TSA Logo (5 pts.) ➤ New Jersey (5 pts.) 							
Binder Portfolio Contents (40 pts.) <ul style="list-style-type: none"> ➤ Brainstormed Ideas/Thumbnail Sketches (20 pts.) ➤ Selection/Rejection Report (20 pts.) 							
SUBTOTAL (100)							
Rules violation (if any) (-20)							
Total							
Evaluators' comments/notes:							
I certify these results to be true and accurate to the best of my knowledge.							
Evaluators' Name _____ Evaluators' signature _____							

Prepared Presentation
On-Site Event
Theme: "TSA, Breaking Down Boundaries"

OVERVIEW:	No change
PURPOSE:	No change
ELIGIBILITY:	2 individuals per chapter
TIME LIMITS	C. A maximum of 3 minutes is allowed for set up.
PROCEDURES:	Delete D-F C. No observers will be permitted.
REGULATIONS:	F. Computer and projector will be available. Bring presentation on a CD or USB flash drive.
EVALUATION:	No change

Promotional Graphics

Pre-Conference Event

Theme: "TSA: Imagine it!"

(2008 National TSA Conference: June 28–July 2, 2008, Orlando, FL)

OVERVIEW:	No change
PURPOSE:	No change
ELIGIBILITY:	2 individuals per chapter
TIME LIMITS	No change
PROCEDURES:	Delete A C. Winners are announced at the awards ceremony.
REGULATIONS:	Delete C-D <i>No school or individual names labeled on projects; only ID#'s are to be used. Upon registering students online, they are automatically assigned an ID#. This number needs to be on student projects.</i>
EVALUATION:	No change <ol style="list-style-type: none"> 1. Entries mailed must be sent via Fedex or USPS Express Mail and be received by March 22. Send to the TSA office, attn: Alison Goeke, 103 Armstrong Hall, The College of New Jersey, 2000 Pennington Rd., Ewing, NJ 08628. Please call (609)771-3244 or fax (609)771-3330 the TSA office to indicate description and quantity of items being mailed. 2. Entries dropped off at the TSA office at The College of New Jersey must be received by March 22. Please call (609)771-3244 or fax (609)771-3330 the TSA office to arrange time for delivery. 3. Entries dropped off at the Northern NJ site (Wallkill Valley Regional High School, 10 Grumm Rd., Hamburg, NJ 07419) must be received by March 21. Please call John McConnell at 973-827-4100 to arrange time for delivery. <ul style="list-style-type: none"> • Items received after these dates may not be included in competitions. • Mailed deliveries should include provision for obtaining proof of delivery. • Packages should include a label describing contents.

Radio Controlled Transportation
On-Site Event

OVERVIEW:	No change
PURPOSE:	No change
ELIGIBILITY:	2 teams of 2 per chapter
TIME LIMITS	Delete B
PROCEDURES:	No change
REGULATIONS:	No change
EVALUATION:	No change

SciViz
Pre-Conference Event

OVERVIEW:	No change
PURPOSE:	No change
ELIGIBILITY:	2 teams of 2-5 per chapter
TIME LIMITS	Delete D
PROCEDURES:	Delete A-D
REGULATIONS:	Delete D (No presentation) <i>No school or individual names labeled on projects; only ID#'s are to be used. Upon registering students online, they are automatically assigned an ID#. This number needs to be on student projects.</i>
EVALUATION:	No presentation will be included in the scoring. Evaluation will be based on 90 points. <ol style="list-style-type: none"> 1. Entries mailed must be sent via Fedex or USPS Express Mail and be received by March 22. Send to the TSA office, attn: Alison Goeke, 103 Armstrong Hall, The College of New Jersey, 2000 Pennington Rd., Ewing, NJ 08628. Please call (609)771-3244 or fax (609)771-3330 the TSA office to indicate description and quantity of items being mailed. 2. Entries dropped off at the TSA office at The College of New Jersey must be received by March 22. Please call (609)771-3244 or fax (609)771-3330 the TSA office to arrange time for delivery. 3. Entries dropped off at the Northern NJ site (Wallkill Valley Regional High School, 10 Grumm Rd., Hamburg, NJ 07419) must be received by March 21. Please call John McConnell at 973-827-4100 to arrange time for delivery. <ul style="list-style-type: none"> • Items received after these dates may not be included in competitions. • Mailed deliveries should include provision for obtaining proof of delivery. • Packages should include a label describing contents.

Structural Engineering
On-Site Event
Topic: “Build a beam bridge”

OVERVIEW:	No change
PURPOSE:	No change
ELIGIBILITY:	1 team of 2 per chapter
TIME LIMITS	A. Change time from 2.5 hours to 1.5 hours Delete B-C
ATTIRE and SAFETY EYEWEAR	Safety eyewear and side shields for prescription eyewear will be provided.
PROCEDURES:	Delete B. Each team will receive: <ul style="list-style-type: none"> -A blade and anvil cutter -Straight pins -1 (1oz) bottle of CA glue C.2.a. Students bring PREPARED PLANS. C.2.b. A single 18” ruler Delete C.2.d. Delete F-I
REGULATIONS:	D. Students must bring two copies of prepared sketch to conference. E. Span is 14 inches F.2. Delete “Any structure that does not hold forty-five (45) pounds is not listed among the finalists.” H. The span of the structure is the opening between the abutments and is 14”.
EVALUATION:	No change

System Control Technology

Static Event

OVERVIEW:	Problem is the example described on pg. 185 of <i>The TSA Competitive Events Guide</i> (Tsunami problem).
PURPOSE:	Delete “problem given to teams on site”
ELIGIBILITY:	1 team of 3 per chapter
TIME LIMITS	A. There will be a 15 minute set up time. Delete B. C. Model is constructed off-site
PROCEDURES:	Delete B C. Inventor’s log is completed off-site Delete D-E
REGULATIONS:	No change
EVALUATION:	Stand-alone project. Instructions must be left for evaluators to operate the device.

Technical Research and Report Writing

On-Site Event

Topic: “The Technology of War”
 Subtopics: -Environmental impact
 -Economic impacts
 -Societal impacts

OVERVIEW:	No change
PURPOSE:	No change
ELIGIBILITY:	2 individuals per chapter
TIME LIMITS	No change
PROCEDURES:	G. Winners announced at awards ceremony. No finalists.
REGULATIONS:	No change
EVALUATION:	No change

Technical Sketching and Application

On-Site Event

OVERVIEW:	No change
PURPOSE:	No change
ELIGIBILITY:	2 individuals per chapter
TIME LIMITS	No change
PROCEDURES:	C. No finalists. Winners will be announced at Awards Ceremony. D. No finalists. Winners will be announced at Awards Ceremony.
REGULATIONS:	A. No finalists. Winners will be announced at Awards Ceremony. B. All participants will receive the necessary materials. C. No finalists. Winners will be announced at Awards Ceremony.
EVALUATION:	Delete A-B. Evaluation is based on 50 point test and 50 point evaluation of technical sketch/drawing.

Technology Bowl

On-Site Event

OVERVIEW:	All participants will complete a written exam and then participate in the oral event.
PURPOSE:	No change
ELIGIBILITY:	1 team of 3 per chapter
TIME LIMITS	A. 45 minutes B. All teams will participate in the oral competition.
PROCEDURES:	<p>Delete A-K. Follow the procedures listed below:</p> <ul style="list-style-type: none"> A. Following the written test, team members will report to the oral event area holding room for briefing at the designated time. After briefing, advisors must leave and the team will remain in the holding room until called for competition. Teams may visit with other teams; however, no advisors or visitors may enter the holding room. B. Team members will not be allowed in the oral event area as observers until after the team has been eliminated from competition. C. When instructed to do so, two (2) teams will enter the event area and be seated according to instructions. D. When a team has been defeated in any round of the oral event, the team is out of the competition. E. Questions will be drawn, as needed, from a card file resource bank. F. A team's total score is derived from the correct answers to the questions asked. For each correct answer, a team will receive ten (10) points. When a question has been completely read and a team is recognized to answer, if the team does not answer or answers incorrectly, five (5) points will be deducted from the team's score. In this instance, the other team does not have the opportunity to respond to this question, and the next question is read for both teams. If a question is being read and a team member presses the button before the question is finished, the member must answer completely as stated on the answer card. If the answer given is incorrect, the entire question will be read for the other team. G. A total of twelve (13) questions will be asked per round. No questions will be repeated in another round. In the case of the tie, five (5) additional questions will be asked. This procedure will continue until the tie is broken. The questions will be picked at random from the basic areas tested. H. <u>Bonus Question</u> There will be one additional question (bonus question). The bonus question will be announced, and the team

	<p>that answers it correctly will have the opportunity to answer one additional question. This is the only time when team members may consult with each other before giving an answer. The team will have ten (10) seconds to give its answer. If a team gives an incorrect answer to the bonus question, then the question will be read to the other team. Bonus point scoring: If a team answers the bonus correctly, that team receives fifteen (15) points; if a team answers the bonus incorrectly, that team loses five (5) points from its score.</p> <ol style="list-style-type: none"> I. A panel of evaluators will be available to respond to questions concerning acceptable answers. <ol style="list-style-type: none"> 1. Rulings on acceptable answers will be made only during the round in question. 2. Rulings will be made immediately, to do one of the following: <ol style="list-style-type: none"> a. Accept only the answers listed on the card. b. Accept the student's answer and renew points, or remove the question and read another in its place. c. The rulings of the panel will be final.
REGULATIONS:	<p>Delete A-B. Follow regulations listed below:</p> <ol style="list-style-type: none"> A. No transmitting or recording devices, including cell phones, will be permitted in the event area. No prompting will be permitted. B. The team member who "buzzes in" will have five (5) seconds to answer the question, without discussion. C. The team that answers the bonus question will be allowed ten (10) seconds to discuss the extra question and give an answer. D. After a question is read, the competing teams will have ten (10) seconds to answer. If neither team can answer the question, then another question will be read. E. If a team member "buzzes in" before a question is finished being read, that member must give the exact answer as printed on the card.
EVALUATION:	<p>Delete A-C. Follow evaluation listed below:</p> <p>Evaluation is based on the total points from the three written tests plus the total points from the oral competition. Awards will be given to the top three (3) teams</p>

Technology Challenge On-Site Event

OVERVIEW:	No change
PURPOSE:	No change
ELIGIBILITY:	2 teams of 2 per chapter
TIME LIMITS	No change
PROCEDURES:	No change
REGULATIONS:	No change
EVALUATION:	No change

Technology Problem Solving On-Site Event

OVERVIEW:	No change
PURPOSE:	No change
ELIGIBILITY:	1 team of 2 per chapter
TIME LIMITS	No change
PROCEDURES:	A. Students will be provided with the necessary tools and materials.
REGULATIONS:	No change
EVALUATION:	No change

Transportation Modeling

Pre-Conference Event

Problem: “Design a modern sports car based on a 1960’s or 1970’s “Muscle Car”

OVERVIEW:	No change
PURPOSE:	No change
ELIGIBILITY:	2 individuals per chapter
TIME LIMITS	No change
PROCEDURES:	No wind tunnel testing or time trials will be conducted. Delete A. Delete C-F.
REGULATIONS:	Delete B. Delete E. <i>No school or individual names labeled on projects; only ID#'s are to be used. Upon registering students online, they are automatically assigned an ID#. This number needs to be on student projects.</i>
EVALUATION:	Wind tunnel test and time trial will not be included. Evaluation based on 80 points. <ol style="list-style-type: none"> 1. Entries mailed must be sent via Fedex or USPS Express Mail and be received by March 22. Send to the TSA office, attn: Alison Goeke, 103 Armstrong Hall, The College of New Jersey, 2000 Pennington Rd., Ewing, NJ 08628. Please call (609)771-3244 or fax (609)771-3330 the TSA office to indicate description and quantity of items being mailed. 2. Entries dropped off at the TSA office at The College of New Jersey must be received by March 22. Please call (609)771-3244 or fax (609)771-3330 the TSA office to arrange time for delivery. 3. Entries dropped off at the Northern NJ site (Wallkill Valley Regional High School, 10 Grumm Rd., Hamburg, NJ 07419) must be received by March 21. Please call John McConnell at 973-827-4100 to arrange time for delivery. <ul style="list-style-type: none"> • Items received after these dates may not be included in competitions. • Mailed deliveries should include provision for obtaining proof of delivery. • Packages should include a label describing contents.

Video Game Design
Pre-Conference Event

OVERVIEW:	No change
PURPOSE:	No change
ELIGIBILITY:	2 teams of 2 to 5 individuals per chapter
TIME LIMITS	No change
PROCEDURES:	Delete A. B. No finalists. Delete C-D.
REGULATIONS:	Delete B.
EVALUATION:	No change